



MODEL-1607 UNIVERSAL VIBRATION METER

- General-purpose type small vibrometer capable of measuring three modes of acceleration, velocity and displacement.
- Wide-band and capable of measuring from a minute level to a large level.
- Maneuverable in field measurement because of the small size and use of dry cells.
- Capable of selecting a band matching a measurement object because of the built-in high-pass/low-pass filter.
- Capable of wave analysis and level recording with the attached AC and DC output terminals.
- Capable of appropriately using various sensors with ease by the easy setting of the sensor's sensitivity.
- Capable of using a remote charge converter and a detector with a built-in preamp in addition to an ordinary charge-output type detector.

Composition

Charge Vibrometer	MODEL-1607	1pc
Dry cell(6LR61)		4pc
Instruction manual		1copy
Option		
AC adaptor(AC100V)		1pc
Piezoelectric Pickup	MODEL-2300A	1pc
Low noise cable	LNC-1A-3(3m)	1pc

Specifications

Charge Input Connector (BNC Connector on the front panel)	
Pickup Sensitivity (pC)	PU SENSx1:1.00-9.9pC/G PU SENSx10:10.0-99.9pC/G
Max input charge	10,000pC
Voltage Input Connector (BNC Connector on the rear panel)	
Pickup Sensitivity (mV)	PU SENSx1:1.00-9.99mV/G PU SENSx10:10.0-99.9mV/G
Max input	±10V
Supply current	0.4-4mA (internal volume)
Remote Charge Converter Input (Option)	
Pickup Sensitivity (mV)	PU SENSx1:1.00-9.99mV/G PU SENSx10:10.0-99.9mV/G
Max input voltage	±10V
Output Indicator	Provided with dual scale 0-1,0-3 to indicate the magnitude of amplitude selected with the meter selector or battery voltage.
Overload lamp	When the linear range is exceeded in the internal circuit,LED lamp is on.
AC OUT(BNC)	Vibration waveform output ±1V/FS Output resistance 100Ω 5mA Max.current
DC OUT(BNC)	Trend recording as level output 0-1VDC Output resistance 100Ω 5mA Max.current
Measuring Range	
ACC1(G)	1Hz-50kHz(1dB), 2Hz-20kHz(0.5dB) PU SENSx10:0.0316/0.1-100/316/FS PU SENSx1:0.316/1-1000/3160/FS
ACC2(m/s ²)	1Hz-50kHz(1dB), 2Hz-20kHz(0.5dB) PU SENSx10:0.316/1-1000/3160/FS PU SENSx1:3.16/10-10000/31600/FS
VEL(cm/s)	3Hz-(0.5dB) PU SENSx10:0.316/1-1000/3160/FS PU SENSx1:3.16/10-10000/31600/F
DISP(mm)	3Hz-(0.5dB) PU SENSx10:0.1/0.316-316/1000/FS PU SENSx1:1/3.16-3160/10000/FS
DISP2(mm)	10Hz-(0.5dB) PU SENSx10:0.01/0.0316-31.6/100/FS PU SENSx1:0.1/0.316-316/1000/FS
Filter	

High-pass filter(Hz)	OUT(1Hz)/3/10/30/100
Low-pass filter(Hz)	300/1k/3k/10k/OUT(50KHz)
The Others	
Accuracy	Within 3% at 80Hz,100pC input
Cal signal	80Hz,±1V max. sinusoidal wave
Power supply	Dry cell LR6×4(DC6V)
	Continuous use more than 5 hours
Temperature, Humidity	0-50°C,90%RH max.



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